

STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE RECORD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.
If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

Operator: NORTHERN ILLINOIS GAS CO.	Operator ID#: 13710
Inspection Date(s): 10/16/2012	Man Days: 1
Inspection Unit: NICOR - Storage - Pontiac/Lexington	
Location of Audit: Pontiac	
Exit Meeting Contact: Mario Morrell, Manager Storage Operations	
Inspection Type: Standard Inspection - Record Audit	
Pipeline Safety Representative(s): Jim Watts	
Company Representative to Receive Report: Leticia Quezada	
Company Representative's Email Address: lquezad@aglresources.com	

Headquarters Address Information:	P. O. Box 190 Rt. 59 & I-88 Aurora, IL 60507 Emergency Phone#: Fax#:	
Official or Mayor's Name:	Ralph Cleveland Phone#: (000) 000-0000 Email:	
Inspection Contact(s)	Title	Phone No.

Gas System Operations	Status
Gas Transporter	Nicor and NGPL
Miles of Main	10.5
Confirm Operator's Potential Impact Radius Calculations	513.3
Annual Report (Form 7100.1-1) reviewed for the year:	Not Checked
<u>General Comment:</u> <i>The transmission annual report was not reviewed as part of this inspection. Staff reviewed the report when it was received from Nicor earlier in 2012.</i>	
Regulatory Reporting Records	Status
191.5	Were Telephonic Notices of Incidents reported to the NRC (800-424-8802)? <div style="text-align: center;">Not Applicable</div>

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<u>General Comment:</u>		
No incidents occurred that required reporting in 2011. N/A		
191.15(a)	Was a DOT Incident Report Form F7100.2 submitted within 30 days after detection of an incident?	Not Applicable
<u>General Comment:</u>		
No incidents occurred that required submission of an incident report within 30 days in 2011.		
191.15(b)	Were there any supplemental incident reports when deemed necessary?	Not Applicable
<u>General Comment:</u>		
No supplemental reports were required due to no incidents occurring in 2011. Nicor did file the final report for the incident that occurred in November of 2010 in 2011.		
191.23(a)(2),191.23(a)(5),191.23(a)(6),191.23(a)(8)	Did the operator report Safety Related Conditions?	Not Applicable
<u>General Comment:</u>		
No safety related conditions reports were required to be filed in 2011.		
191.25	Did the Operator file a Safety Related Condition Report within 5 working days of determination, but not later than 10 working days after discovery?	Not Applicable
<u>General Comment:</u>		
No conditions existed that required submission of a safety related condition reports to be submitted in 2011.		
192.16(c),192.16(d)	Customer Notification: Has the operator notified each customer after the customer first receives gas at a particular location?	Not Applicable
<u>General Comment:</u>		
Customer notification requirement is not applicable to this inspection unit as this is a storage facility.		
DRUG TESTING		Status
Refer to Drug and Alcohol Inspection Forms and Protocols		Not Checked
<u>General Comment:</u>		
The Drug and Alcohol plan and records were not reviewed as part of this inspection because they are maintained at the Nicor General Office in Naperville, Illinois.		
TEST REQUIREMENTS		Status
192.505,192.507,192.509,192.511(c)	Are pressure test records being maintained for piping operating above 100 psig?	Satisfactory
<u>General Comment:</u>		
Staff reviewed the pressure test records for two 12 inch drips and a segment of Saline line between the pump and the disposal well that were installed in 2011.		
192.511,192.509,192.513	Are pressure test records being maintained for at least 5 years on piping operating below 100 psig?	Satisfactory

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<u>General Comment:</u>		
<i>Tests were recorded on pressure charts for the proper durations.</i>		
192.515(b)	Did the operator maintain documentation establishing that the test medium was disposed of in a manner that minimized danger to the environment?	Satisfactory
<u>General Comment:</u>		
<i>The water remaining from hydro testing performed at the storage fields is disposed of in the saline water pit and is then re-introduced into the aquifer through the disposal well. Nicor has an environmental permit to dispose of the test water utilizing this process. Nicor Environmental office at G.O. in Naperville maintains the documentation of the water use/disposal reports.</i>		
UPRATING		Status
<u>Category Comment:</u>		
<i>No uprating was performed on piping located in the storage field in 2011.</i>		
192.555	Has the operator maintained documentation of uprating activities when uprating a pipe to a pressure that will produce a hoop stress of 30% or more SMYS?	Not Applicable
192.557	Has the operator maintained documentation of uprating activities when uprating a pipe to a pressure that will produce a hoop stress of less than 30% SMYS?	Not Applicable
OPERATIONS		Status
192.605(a)	Has the operator conducted a review of the Operations and Maintenance Manual once per yr/15 months?	Satisfactory
Has the operator conducted a review of the Operator Qualification Plan once per yr/15 months?		Not Checked
<u>General Comment:</u>		
<i>The operator qualification plan and records was not reviewed as part of this audit. They were reviewed during a separate audit.</i>		
192.605(b) (3)	Are construction records, maps, and operating history available to operating personnel?	Satisfactory
192.605(b) (8)	Has the operator periodically reviewed personnel's work to determine the effectiveness of normal O&M procedures when deficiencies are found?	Not Applicable
<u>General Comment:</u>		
<i>No deficiencies were found during the review of personnel while performing O&M procedures in 2011.</i>		
192.605(c)(1) (i)	Does the operator maintain documentation for responding to, investigating, and correcting the cause of unintended closure of valves or shutdowns?	Not Applicable
<u>General Comment:</u>		
<i>No unintended valve closures or shutdowns occurred in 2011.</i>		
192.605(c)(1)(ii)	Does the operator maintain documentation for	Satisfactory

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	responding to, investigating, and correcting the cause of increase or decrease in pressure or flow rate outside normal operating limits?	
<u>General Comment:</u> <i>Flow changes due to compressor shutdowns were documented in the station log book and indicated the corrective actions taken.</i>		
192.605(c)(1)(iii)	Does the operator maintain documentation for responding to, investigating, and correcting the cause of loss of communications?	Not Applicable
<u>General Comment:</u> <i>No loss of communications occurred in 2011 at the Pontiac or Lexington storage fields.</i>		
192.605(c)(1)(iv)	Does the operator maintain documentation for responding to, investigating, and correcting the cause of operation of any safety device?	Satisfactory
<u>General Comment:</u> <i>Sufficient documentation was maintained defining the reasoning and corrective actions taken due to compressor shutdowns logged in the station log books.</i>		
192.605(c)(1)(v)	Does the operator maintain documentation for responding to, investigating, and correcting the cause of any other foreseeable malfunction of a component, deviation from normal operation, or personnel error which may result in a hazard to persons or property?	Satisfactory
<u>General Comment:</u> <i>No issues were identified due to personnel errors. Issues identified due to alarms observed by Gas Control that resulted in callouts for reboiler and dehy shutdowns were documented in the station log and included the corrective actions taken.</i>		
192.605(c) (2)	Does the operator maintain documentation of checking variations from normal operation after abnormal operation has ended at sufficient critical locations in the system to determine continued integrity and safe operation?	Satisfactory
192.605(c) (3)	Does the operator maintain documentation of notifying responsible operator personnel when notice of an abnormal operation is received?	Satisfactory
<u>General Comment:</u> <i>Documentation reviewed indicated the proper notifications were made to initiate corrective actions.</i>		
192.605(c) (4)	Does the operator maintain documentation for periodically reviewing the response of operator personnel to determine the effectiveness of the procedures controlling abnormal operation and taking corrective action where deficiencies are found?	Not Applicable
<u>General Comment:</u> <i>No deficiencies were identified due to periodic reviews of actions taken by operating personnel.</i>		

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192.619,192.621,192.623	Is the operator maintaining documentation verifying their Maximum Allowable Operating Pressure(s)? (MAOP)	Unsatisfactory
<p><u>General Comment:</u></p> <p>Staff identified that the MAOP's recorded in the Transmission Pipeline Integrity database for pipelines operating at or above 20% SMYS is not indicating the same MAOP as the records maintained at the Storage facilities. Nicor Engineering is researching the system MAOP due to conflicts observed in MAOP's recorded in the Transmission Pipeline Integrity Program Appendix E Section 1. Staff will be informed of their findings.</p>		
<p><u>Issue Comment:</u></p> <p>Staff identified that the MAOP's recorded in the Transmission Pipeline Integrity database for pipelines operating at or above 20% SMYS is not indicating the same MAOP as the records maintained at the Storage facilities. Nicor Engineering is researching the system MAOP due to conflicts observed in MAOP's recorded in the Transmission Pipeline Integrity Program Appendix E Section 1. Staff will be informed of their findings.</p>		
CONTINUING SURVEILLANCE RECORDS		Status
192.613(a)	Has the operator reviewed continuing surveillance records for class location changes?	Satisfactory
<p><u>General Comment:</u></p> <p>No class location changes were identified within the boundaries of Pontiac and Lexington storage facilities.</p>		
192.613(a)	Has the operator reviewed continuing surveillance records for failures?	Not Applicable
<p><u>General Comment:</u></p> <p>The two leaks detected during the leak survey were repaired.</p>		
192.613(a)	Has the operator reviewed continuing surveillance records for leak history?	Satisfactory
192.613(a)	Has the operator reviewed continuing surveillance records for corrosion?	Satisfactory
<p><u>General Comment:</u></p> <p>No issues were identified during the corrosion surveys conducted in 2011.</p>		
192.613(a)	Has the operator reviewed continuing surveillance records for changes in cathodic protection requirements?	Not Applicable
<p><u>General Comment:</u></p> <p>No changes in cathodic protection requirements.</p>		
192.613(a)	Has the operator reviewed continuing surveillance records for other unusual operating and maintenance conditions?	Not Applicable
<p><u>General Comment:</u></p> <p>No other unusual operating conditions were identified during continuing surveillance performed 2011.</p>		
CLASS LOCATION CHANGE		Status
<p><u>Category Comment:</u></p>		

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<i>No class location changes were identified on piping operating over 40% SMYS in 2011.</i>		
192.609	Does the operator maintain documentation when the class location changes for a segment of pipe operating at a hoop stress that is more than 40% SMYS?	Not Applicable
<u>General Comment:</u> <i>No class location changes on piping operating over 40% SMYS</i>		
QUALIFICATION OF PIPELINE PERSONNEL		Status
Refer to operator Qualification Inspection Forms and Protocols		Not Checked
<u>General Comment:</u> <i>Operator Qualification records were not reviewed during this audit as they are maintained at the Nicor training center located in Naperville.</i>		
DAMAGE PREVENTION RECORDS		Status
191.17(a)	Did the operator track the number of damages per 1000 locate requests for the previous years?	Satisfactory
<u>General Comment:</u> <i>No damages due to third party excavations occurred on piping within the Pontiac or Lexington Storage Fields in 2011.</i>		
Has the number of damages increased or decreased from prior year?		No changes
192.617	Does the operator track records of accidents due to excavation damage to ensure causes of failures are addressed to minimize the recurrence?	Satisfactory
<u>General Comment:</u> <i>No damages on storage piping due to third party damage in 2011.</i>		
192.614(c) (3)	Does the operator provide documentation pertaining to notification of excavation, marking, positive response, and the availability and use of the one call system?	Satisfactory
<u>General Comment:</u> <i>Nicor Storage Personnel perform locates on piping within the storage fields at Pontiac and Lexington. Staff reviewed completed locates tickets performed in 2011 and observed no issues.</i>		
Does the operator have a Quality Assurance Program in place for monitoring the locating and marking of facilities?		Yes
Do pipeline operators include performance measures in facility locating contracts?		Not Applicable
<u>General Comment:</u> <i>No contract locators are utilized at the Pontiac and Lexington storage facilities. Nicor personnel perform locates and watch and protect activities. Contract requirements are not applicable.</i>		
IL ADM. CO.265.100(b)(1)	Was third party damage to mains involving a release of gas reported to ICC JULIE Enforcement? http://www.icc.illinois.gov/julie/	Not Applicable

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<u>General Comment:</u>		
<i>No violations occurred that required reporting in 2011.</i>		
Has the Operator adopted applicable section of the Common Ground Alliance Best Practices?		Yes
If no, were Common Ground Alliance Best Practices discussed with Operator?		Not Applicable
<u>General Comment:</u>		
<i>The operator has adopted the applicable CGA Best Practices into their procedures.</i>		
EMERGENCY PLANS		Status
192.615(b) (1)	Are supervisors, responsible for emergency action, furnished copies of the latest edition of the Emergency Plan?	Satisfactory
<u>General Comment:</u>		
<i>Staff confirmed the supervisor and station manuals are current versions of the emergency plans.</i>		
192.615(b) (2)	Has the operator maintained documentation that the appropriate operating personnel have received training to assure they are knowledgeable of emergency procedures and that the training was effective?	Satisfactory
192.615(b) (3)	Has the operator maintained documentation of employee activity reviews to determine whether the procedures were effectively followed in each emergency?	Not Applicable
<u>General Comment:</u>		
<i>No emergencies have occurred that required a review to be performed in 2011.</i>		
192.615(c)	Has the operator maintained documentation that the operator established and maintained liaison with appropriate fire, police and other public officials?	Satisfactory
<u>General Comment:</u>		
<i>Staff reviewed the sign in sheet for the county wide emergency association meeting attended by Nicor in 2011 for Pontiac and Lexington Storage.</i>		
192.615(a) (3)	Did the review of emergency response time intervals regarding odor/leak complaint documentation indicate adequate emergency response intervals were achieved?	Not Applicable
<u>General Comment:</u>		
<i>No leak reports were received from outside sources by Nicor regarding Pontiac and Lexington Storage. Completed leak reports were only for leaks detected during the 2011 leak surveys.</i>		
Did documentation reviewed define when emergency response time intervals exceeded established operator parameters for time interval between received and dispatched?		Not Applicable
<u>General Comment:</u>		
<i>No leaks reports were received to establish interval between received and dispatched interval.</i>		

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Did documentation reviewed define when emergency response time intervals exceeded established operator parameters for time interval between dispatched and arrival?		Not Applicable
<u>General Comment:</u> <i>No leak reports were received to establish if response times exceeded the 60 minute interval.</i>		
192.615(a) (11), 192.631	Has the operator maintained documentation of actions that were required to be taken by a controller during and emergency?	Not Applicable
<u>General Comment:</u> <i>No emergencies occurred that required a review to determine if the actions taken by the controller were adequate.</i>		
PUBLIC AWARENESS PROGRAM - RECORDS		Status
Refer to Public Awareness Program Inspection Forms and Protocols		Not Applicable
<u>General Comment:</u> <i>Public Awareness was not reviewed during this audit. A separate audit was performed on Nicor's plan in September of 2012.</i>		
ODORIZATION OF GAS		Status
192.625(f)	Where required, has the operator maintained documentation of odorant concentration level testing?	Not Applicable
<u>General Comment:</u> <i>Nicor distribution personnel perform odorometer readings and calculations are performed by South Zone transmission and Gas Control in some instances to determine the amount of odorant being injected into the gas supply being sent for use in the distribution systems.</i>		
192.625(a) (f)	Where required, is the operator using an instrument capable of determining the percentage of gas in air at which the odor becomes readily detectable? (at 1/5th the LEL)	Not Applicable
<u>General Comment:</u> <i>Odorometer tests are performed by distribution personnel to establish if the odorant levels are readily detectable at a gas in air mixture of 1/5th the lower explosive limit (LEL).</i>		
192.625(e)	Where required, has the operator maintained documentation of odorizer tank levels?	Satisfactory
<u>General Comment:</u> <i>South Zone Transmission performs the tank fills on odorant bulk tanks and maintains the odorizers at Pontiac and Lexington fields. Pontiac personnel perform monthly odorant tank level readings and submit reports back to South Zone Transmission.</i>		
PATROLLING & LEAKAGE SURVEY		Status
192.705	Does the operator maintain documentation of a patrol program as required?	Satisfactory
<u>General Comment:</u>		

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The storage fields are patrolled during the leak surveys, during daily work activities and are also flown weekly during the aerial patrol. Nicor also perform annual photo surveys to detect possible leakage and is determined by reviewing the photos taken looking for crop damage due to a possible leak.

192.706	Does the operator maintain documentation of leakage survey(s) performed on a transmission pipeline?	Satisfactory
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General Comment:

The storage field is located in a class one location and is leak surveyed annually using an optical Methane detector. The Pontiac and Lexington Storage Fields have no highway or RR crossings. The compressor station piping is leak surveyed twice annually using leak detection equipment.

ABANDONMENT or DEACTIVATION of FACILITIES PROCEDURES	Status
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Category Comment:

No piping abandoned was abandoned in place during the replacement projects at Pontiac. The piping was removed and was sold for reclaimed pipe. Staff reviewed the purging routines written and utilized for purges performed in 2011 during the Pontiac system replacement. The creek crossing at Lexington was abandoned in place in 2012 and was filled with grout.

192.727(b)	Did the operator maintain documentation demonstrating that each pipeline abandoned in place was disconnected from all sources and supplies of gas, and purged of gas?	Not Applicable
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192.727(c)	Did the operator maintain documentation demonstrating that each inactive pipeline that is not being maintained under this part was disconnected from all sources and supplies of gas; purged of gas?	Not Applicable
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192.727(e)	Did the operator maintain documentation when air was used for purging that a combustible mixture was not present after purging?	Not Applicable
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192.727(g)	Did the operator maintain documentation for each abandoned onshore pipeline facility that crosses over, under or through a commercially navigable waterway?	Not Applicable
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COMPRESSOR STATION	Status
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192.731(a)	Has the operator maintained documentation of the compressor station relief devices at a minimum of 1 per year/15 months?	Satisfactory
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General Comment:

Reliefs located on the discharge and suction headers of the compressor station piping and the Emergency Shutdown ("ESD") System activation were tested as required.

192.731(c)	Has the operator maintained documentation compressor station emergency shutdown at a minimum of 1 per year/15 months?	Satisfactory
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General Comment:

The ESD was tested as required.

192.736(c)	Has the operator maintained documentation of the compressor stations – detection and alarms?	Satisfactory
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General Comment:

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Gas, fire and heat detection systems were tested as required to determine proper operation.

PRESSURE LIMITING AND REGULATION		Status
192.739(a)	Is the operator inspecting and testing the pressure limiting and regulating stations at a minimum of 1 per year/15 months?	Satisfactory
192.743(a)	Is the operator inspecting pressure limiting and regulating stations for adequate capacity at a minimum of 1 per year/15 months?	Satisfactory
192.743(b)	If the operator used calculations to determine sufficient capacity, were the calculation reviews documented at a minimum of 1 per year/15 months?	Satisfactory
192.743(a)(b), 192.195(b)(2)	Is overpressure protection provided by the supplier pipeline downstream of the take point?	No

General Comment:

Nicor maintains overpressure protection on the transmission piping supplying the storage field utilizing operator/monitor regulator configuration.

192.743(a)	If Yes, does the operator have documentation to verify that these devices have adequate capacity?	Not Applicable
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General Comment:

This is not applicable due to the use of operator monitor regulator configuration on the transmission supply pipelines.

VALVE MAINTENANCE		Status
192.745(a) (b)	Did the operator inspect and partially operate transmission valves that might be required during any emergency at a minimum of 1 per year/15 months?	Satisfactory

General Comment:

Transmission valves were inspected as required.

192.749	Did the operator inspect and maintain vaults > 200 cubic feet at a minimum of 1 per year/15 months?	Satisfactory
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Investigation Of Failures		Status
192.617	Did the operator experience accidents or failures requiring analysis?	Not Applicable

General Comment:

No failures occurred that required a review.

WELDING OF STEEL PIPE		Status
192.225(b)	Does the operator have documentation for their qualified welding procedure?	Satisfactory

General Comment:

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<i>Welding procedures are recorded in the Nicor welding manual.</i>		
192.277,192.229	Does the operator have documentation of welder qualification documentation as required?	Satisfactory
<u>General Comment:</u> <i>Welders are qualified by the Nicor Welding Training Center and are retained in the work packets.</i>		
192.243(b) (2)	Does the operator have documentation of NDT personnel qualification as required?	Satisfactory
<u>General Comment:</u> <i>Nicor maintains documentation of the NDT personnel's qualifications.</i>		
192.243(f)	Does the operator have documentation of NDT testing performed?	Satisfactory
CORROSION CONTROL RECORDS		Status
192.491(a)	Has the operator maintained maps or records of cathodically protected piping, cathodic protection facilities, galvanic anodes, and neighboring structures bonded to the cathodic protection system	Satisfactory
192.459	Has the operator maintained documentation of examination when buried pipe was exposed?	Not Checked
<u>General Comment:</u> <i>Exposed piping reports are maintained by the corrosion department located at another location. These were not reviewed as part of this inspection.</i>		
192.465(a)	Has the operator maintained documentation of annual pipe-to-soil monitoring performed at a minimum of 1 per yr/15 months?	Not Checked
<u>General Comment:</u> <i>Annual pipe to soil potential monitoring results were reviewed during the record audit performed at Sycamore in 2012.</i>		
192.465(a)	Has the operator maintained documentation of inspections or tests of isolated services or short sections of main less than 100 feet?	Not Applicable
<u>General Comment:</u> <i>No piping within the storage field is monitored on a ten year interval.</i>		
192.465(b)	Has the operator maintained documentation of rectifier or other impressed current power sources inspections at a minimum of 6 per year/ 2 1/2 months?	Not Checked
<u>General Comment:</u> <i>Rectifier inspections were reviewed during the sycamore record audit.</i>		
192.465(c)	Has the operator maintained documentation of each critical interference bond, reverse current switch, diode,	Not Checked

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	etc. inspections at a minimum of 6 per year/ 2 1/2 months?	
<u>General Comment:</u> <i>Critical interference bond monitoring was reviewed during the Sycamore audit performed in 2012 and were not reviewed as part of this audit.</i>		
192.465(c)	Has the operator maintained documentation of each interference bond, reverse current switch, diode, etc. inspections at a minimum of 1 per year/ 15 months?	Not Checked
<u>General Comment:</u> <i>Interference bonds were reviewed during the 2012 Sycamore audit and were not reviewed during this audit.</i>		
192.465(d)	Has the operator taken prompt remedial actions to correct any deficiencies indicated by the monitoring?	Not Applicable
<u>General Comment:</u> <i>There were no corrective actions required on the cathodic protection systems due to the results of the 2011 monitoring.</i>		
192.465(e)	Has the operator maintained documentation of unprotected pipeline surveys, inspections, or tests at a minimum of 3 years/39 months?	Not Applicable
<u>General Comment:</u> <i>There is no jurisdictional piping that is maintained as cathodically unprotected piping.</i>		
192.467(d)	Has the operator maintained documentation of inspections or tests for electrical isolation including casings?	Not Applicable
<u>General Comment:</u> <i>There are no casings at Pontiac or Lexington Storage facilities.</i>		
192.469	Does the operator have a sufficient number of test stations or other contact points for electrical measurement to determine the adequacy of cathodic protection?	Not Checked
<u>General Comment:</u> <i>2011 test points were reviewed during the sycamore audit performed in 2012 and was not reviewed during this audit.</i>		
192.471	Has the operator maintained documentation of corrective actions taken when a test lead is no longer electrically conductive?	Not Applicable
<u>General Comment:</u> <i>No issues with test leads were identified during the 2011 monitoring.</i>		
192.473(b)	Has the operator maintained documentation of inspections or tests to assure their cathodic protection system is not affecting adjacent underground metallic	Not Applicable

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	structures?	
<u>General Comment:</u> <i>No issues were identified during the 2011 monitoring.</i>		
192.475(a)	Has the operator maintained documentation of investigations or steps taken to minimize internal corrosion due to transportation of corrosive gas?	Satisfactory
192.475(b)	Has the operator maintained documentation of internal surface inspections performed when pipe is removed for any reason?	Not Checked
<u>General Comment:</u> <i>Internal piping inspections are performed by the corrosion department who also maintains the completed documentation. These records were not reviewed during this audit.</i>		
192.476(d)	Has the operator maintained documentation of written procedures supported by as-built drawings or other construction records?	Satisfactory
192.477	Has the operator maintained documentation of internal corrosion coupon monitoring at a minimum of 2 per year/ 7 1/2 months?	Not Checked
<u>General Comment:</u> <i>Analysis of the Corrosion coupon monitoring at Pontiac and Lexington storage is performed by ENEngineering ("ENE") and the reports are maintained by the corrosion department at the Nicor Naperville office. ENE also performs wall thickness measurements at established locations on the storage field piping to aid in establishing the internal corrosion rates. These reports are maintained at Nicor's G.O. by the corrosion department and were not reviewed as part of this audit.</i>		
192.479	Has the operator maintained documentation of corrective action where atmospheric corrosion was discovered?	Satisfactory
<u>General Comment:</u> <i>Nicor provided the necessary documentation on the corrective actions taken due to ENEngineering inspection results.</i>		
192.481	Has the operator maintained documentation of atmospheric corrosion control monitoring at a minimum of 1 per 3 years/ 39 months?	Satisfactory
<u>General Comment:</u> <i>ENEngineering performed the atmospheric corrosion inspections required in 2011 and issued a report indicating the locations where atmospheric corrosion was identified. Nicor has documentation indicating the corrective actions taken due to ENEngineering recommendations.</i>		
192.483(a)(b)(c)	Has the operator maintained documentation demonstrating that pipe removed due to external corrosion has been repaired or replaced with pipe that was coated and cathodically protected?	Not Checked
<u>General Comment:</u> <i>Pipe inspection reports completed due to external corrosion are performed by the corrosion department and the completed documentation is maintained at the Naperville Office. These reports were not reviewed during the audit conducted for Pontiac/Lexington Storage.</i>		

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TRAINING - 83 IL ADM. CODE 520		Status
520.10(a)	Has the operator maintained documentation demonstrating that personnel have received adequate training?	Not Checked
<u>General Comment:</u> <i>Training records are maintained at the Nicor Training Center located in Naperville and were not reviewed during this audit.</i>		
520.10(a)	Do training records include verbal instruction and/or on the job training for each job classification?	Not Checked
<u>General Comment:</u> <i>Training records that indicate when verbal instruction is provided are maintained by the Nicor training center and were not reviewed during this audit.</i>		
520.10(b)	Has the municipal operator maintained documentation demonstrating that personnel have received adequate training?	Not Applicable
<u>General Comment:</u> <i>The Municipal training requirement is not applicable to this operator.</i>		
520.10(a)(5)	Are procedures periodically updated to include new materials, new methods of operation and installation, and changes in general procedures?	Satisfactory
<u>General Comment:</u> <i>Nicor has initiated revised procedures after installing new catalytic converters on the compressors exhaust system for emissions control.</i>		

STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

RECORD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.